

WEEK'S RECORD IN MINING.

SITUATION UNCHANGED AT THE BURNING CALUMET & HECLA MINES.

Company getting out about half its usual product from other shafts. A loss of about 50 per cent. of the shaft's output is being made. The company is now working on the shafts, but the situation is unchanged at the burning Calumet & Hecla mines.

BORTON, Mich., June 9.—The situation at the burning shaft of the Calumet and Hecla mine is not yet perfectly clear.

The shaft is isolated from the burning shaft by the opening of the mine on nearly all levels, which are 100 feet apart in the lower workings. There are, however, a few fire doors yet open which the relief crews found it impossible to close, one of their number meeting death and others narrowly escaping it through staying in the mine as long as they could.

The gas which is very penetrating, and which is coming out of the doors, renders the parts of the mine connected with the burning shaft untenable, even where there is no danger from fire. It has been necessary to close all shafts in any manner connected underground with No. 2, where the fire is. Gas escapes in considerable quantities from cracks in the earth, but these have been covered with sand and dirt wherever possible to stop the work underground. The gas was so strong a week after the fire that eight men working on the surface were overcome and for the violence of the officials would have died from suffocation.

At the South Hecla branch of the mine, which has no underground connection with the other workings, every available man is being employed, and the shaft is being kept open by the use of the ammonia gas, which is 730 feet east of the conglomerate shafts in the portions of the mine now closed.

By making every effort possible about 5,000 tons of rock are being sent to the mills daily, which is about half the normal supply.

The temperature of the burning shaft varies greatly. No prediction can be made as to the approach to a normal condition, but the probable duration of the fire may be out in a day or two and it may linger for weeks or months. Previous fires have proved very stubborn, as the flames burn as long as any oxygen feeds them. The last two big fires, in 1887 and 1888, were drowned out by carbonic acid gas generated for the purpose.

The Calumet mine normally supplies about 10 per cent. of the world's entire production of copper. At present the mine is making not quite half its usual product, which means a decrease of 5 per cent. in the world's copper supply, an amount sufficient to have a very perceptible effect on the price of the metal and its sympathetic position if the fire should last longer than a few months.

The Adventure mine in Ontonagon county is now working three shafts, from all of which drifting is in progress and some fine stretches of ground, bright with copper, have been prepared for the big shafts that will be needed when a mill is built. The mass mine, the Adventure's nearest neighbor, is pushing preliminary work on its new mill at Ontonagon.

The mine is steadily retrenching expenses and adding to its income from copper produced. The milling costs have now been brought down to the average stamping cost of the modern amygdaloid mills of the district, which is almost exactly 25 cents a ton, the cheapest milling of any mine being 22 cents a ton.

The first cargo of mohawkite will be shipped next week to the extensive smelters and refineries at Constable Hook, N. J., opposite Staten Island, which are undoubtedly better equipped than any other in America to handle the initial shipment of this new mineral, owing to the extensive experience gained in the smelting of the nickel-copper ores of the Sudbury district, Canada.

New copper ore requires exceptional treatment to secure good results, and the Orford works have been the only smelters outside of Wales to successfully treat this year and the year following.

From the point of scientific importance, it is a complete mine of copper, nickel, and iron, with the usual percentage of copper being about 10 per cent., averaging above 60 per cent. with about 10 per cent. of nickel. The future value of mohawkite crosses the Kentucky amygdaloid copper lode at very nearly right angles, and has been found to surface at the point of the mine, a distance of 138 feet, and has been drilled upon for about 100 feet. The first point of discovery was at a depth of about 100 feet, and the ore was found to be a small vein, which, if permanent, will produce millions in copper and nickel.

The mine is securing a large amount of mass and barrel copper from its opening work, one mass of 300 tons and another of 200 tons, being worth \$300 an ton at the mouth of the shaft.

The mine has a little better than sixty tons of copper mineral last month, with one stamp at the mine, and judging from the work done in the mine, the output will be about 100 tons for the month.

When the mine is in full production, it will produce 100 tons of copper and nickel, and will be worth \$300 an ton at the mouth of the shaft.

One thousand tons of copper-bearing amygdaloid rock from the mine is being brought to the Michigan mine and will be shipped within the next ten days to the refinery at Constable Hook, N. J., which will determine the future of the Michigan mine. Opinions as to the merits of the "California" differ widely.

Shift No. 1 and the southern drifts of Shaft 2 of the mine are showing much better ground of late.

COLORADO. COLORADO SPRINGS, June 9.—Cripple Creek's gold output for the first five months of 1900 is \$22,242,478, or \$22,242,478 a month.

A like period in 1899 the totals were 17,875 tons and \$1,238,062. The output for the first five months of 1900 is \$22,242,478, or \$22,242,478 a month.

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new exploration work now going on has caused a lively demand for stock in Leadville mining companies. Today Leadville is one of the liveliest mining centers along the Colorado River.

The Prussian mine at Gold Hill, Boulder county, an old property, after much work, has been reopened, and is now producing a good output of gold.

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property. The mine is producing over 100 tons of ore daily.

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NAVY NOT CAUGHT NAPPING

QUICK WORK IN GETTING TWO BATTLESHIPS READY FOR SEA.

Secretary Long's Mobilization Orders Promptly Carried Out by the Indiana and the Massachusetts—Left League Island Navy Yard 40 Hours After the Orders Were Received.

HAMPTON ROADS, Va., June 10.—Just a little ahead of the expected hour, the twin battleships Indiana and Massachusetts arrived from League Island, Pa., early yesterday morning.

The Indiana, the first of the new Navy Department's mobilization scheme, that was put in operation without warning three days before.

The prompt preparation of these two ships, their sudden transformation from peaceful reserves in an out of the way channel, with just a few officers and men aboard as could keep the ships in condition for service, into ships fully manned, officered and equipped.

The departure to the sea was skilfully managed, and the time the original orders were issued, demonstrates again that the Navy is always ready in every department for any service it may be called upon to perform.

Secretary Long sent out his little surprise just before 4 o'clock yesterday afternoon, in time to catch the officers and